



CONCEPT **6i**

6 in 8 out DSP AMPLIFIER



BUKU MANUAL

www.flux-audio.com

Selamat Datang

Terima kasih telah memilih FLUX CONCEPT-6i DSP amplifier yang dirancang khusus untuk memberikan performa audio terbaik di kendaraan Anda. Produk ini menggabungkan teknologi digital signal processing (DSP) dengan amplifier 8 channel, memberikan kontrol penuh dan fleksibilitas dalam tuning sistem audio mobil Anda.

Fitur Utama

- Support 6- Channel high level, Aux, Optic, USB OTG (WA,MP3,APE)
- AKM high-performance DSPchip 269 MHz/48KHz/24bit
- Built in digital to analog conversion ADC/DAC: 10-192kHz 24 Bit
- Output 8 low-level RCA channels, 6 high-level channels
- 4CH × 50W + 2CH × 80W (4Ω, 14.4V, 1kHz, 1%THD)
- 31 band equalizer (independent per channel)
- 192kHz / 24bit music format, support mobile DSD format
- Professional Desktop PC tuning software with full function

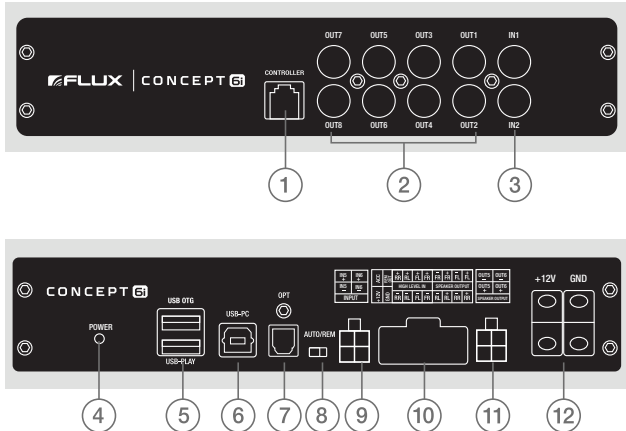
Informasi manual

Manual ini dirancang untuk membantu Anda memahami instalasi, pengoperasian, dan pemeliharaan FLUX CONCEPT-6i. Bacalah dengan seksama untuk memaksimalkan pengalaman audio Anda serta menjaga keamanan dan keawetan produk.

Spesifikasi Umum

Input Channel	6-channel high level, AUX, Optic (supporting 48KHz/16bit), OTG play Supports USB playback formats: (WAV MP3 APE)
High-Level Input Frequency	Each channel supports up to 6 independent input combined Freq.
Output Channel	8 channels of low-level RCA, 6 channels of high-level
Amplifier Output (Max)	D class amplifier: 4CH×50W+2CH×80W (4Ω, 14.4V, 1kHz, 1%THD)
Signal-to-Noise Ratio(S/N)	≥98dB
Frequency Response (FR)	20Hz~20KHz
Power Supply	DC9V~17V (Support for new energy vehicles)
Output Filters	Each output is equipped with multiple independent high & low pass filters.
Signal Divider	1. Professional filtering type: Butterworth Linkwitz, Bessel. 2. Filter frequency division point: 20Hz-20KHz Resolution: 1Hz.
Equalizer Output	31 Band Independent
Computer Tuning	Windows system, XP system, USB interface, no driver required
OTG	192kHz / 24bit music format, supports mobile DSD format
Size	200 x 140 x 50mm
Weight	about 1.25 Kg

Deskripsi Panel



1. Controller Port

2. Low Output RCA

3. Low Input RCA

4. LED Power Indicator

5. USB OTG Port

6. USB PC-Desktop (for Tuning)

7. Optical Input

8. Auto Turn On/ Selector Switch

9. High Input Channel 4 & 5

10. Power Supply, Rem In/Out, Hi-level in/Out

11. Speaker Output

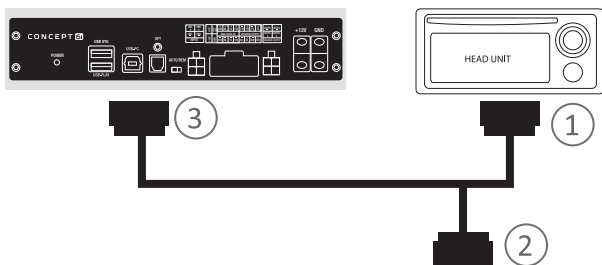
12. Power Supply Terminal

Panduan Instalasi

Peringatan Sebelum Instalasi

- Instalasi produk ini sebaiknya dilakukan oleh teknisi profesional untuk memastikan kinerja optimal dan menghindari kerusakan.
- Matikan seluruh sistem kelistrikan kendaraan sebelum memulai instalasi.
- Gunakan kabel dan konektor berkualitas untuk mencegah gangguan sinyal dan potensi bahaya.

Koneksi Perangkat



- 1 Female socket dimasukkan ke dalam soket yang sesuai pada Source unit
- 2 Koneksi kabel Speaker Mobil OEM & kontrol soket lainnya
- 3 20P socket dimasukkan ke dalam soket yang sesuai FLUX CONCEPT-4i

Pemeliharaan & Keamanan

Agar FLUX CONCEPT-6i dapat bekerja secara optimal dalam jangka panjang, penting bagi pengguna dan teknisi untuk memperhatikan aspek pemeliharaan dan prosedur keamanan berikut.

Perawatan Rutin

1. Jaga Kebersihan Unit
 - Hindari penumpukan debu di sekitar unit.
 - Gunakan kain kering atau kuas halus untuk membersihkan bagian luar.
 - Jangan menggunakan cairan pembersih berbasis alkohol atau pelarut kimia.
2. Pastikan Sirkulasi Udara Lancar
 - Jangan menutup area pendinginan/heatsink.
 - Hindari pemasangan di ruang sempit tanpa ventilasi.
 - Hindari paparan langsung sinar matahari berlebih atau sumber panas lainnya.
3. Cek Koneksi Secara Berkala
 - Pastikan koneksi power, ground, dan speaker tetap kencang dan bersih.
 - Cek terminal agar tidak ada karat atau korosi.
 - Periksa kabel input/output untuk menghindari noise atau sinyal terputus.

Software Download

Untuk Software Tuning bisa di download di:

[Https://www.flux-audio.com/](https://www.flux-audio.com/)

Keselamatan Operasional

1. Hindari Tegangan Tidak Stabil

- Pastikan tegangan kendaraan stabil).
- Gunakan sekring sesuai anjuran untuk perlindungan

2. Jangan Menyalakan Tanpa Beban

- Selalu hubungkan speaker yang sesuai sebelum menghidupkan unit.
- Menghidupkan amplifier tanpa beban bisa merusak rangkaian output.

3. Lindungi dari Air & Kelembaban

- Jangan pasang unit di area rawan bocor atau terkena cipratan air.
- Pastikan kelembaban tidak berlebih di ruang pemasangan

4. Jika Tercium Bau Terbakar / Overheat

- Matikan sistem audio segera.
- Hubungi teknisi atau distributor resmi untuk pemeriksaan lebih lanjut.

Garansi & Layanan

Masa Garansi Standar

FLUX CONCEPT-6i dilindungi garansi manufaktur terhadap cacat produksi selama 1 tahun sejak tanggal pembelian.

Syarat Garansi

Untuk ketentuan syarat & ketentuan garansi produk terdapat di kartu garansi .

Layanan Pelanggan

Untuk informasi lebih lanjut, silakan hubungi:

Website : [Https://www.flux-audio.com/](https://www.flux-audio.com/)

Instagram: [fluxaudio.id](https://www.instagram.com/fluxaudio.id)

Welcome

Thank you for choosing the FLUX CONCEPT-6i DSP amplifier, specially designed to deliver the best audio performance in your vehicle. This product combines digital signal processing (DSP) technology with an 6-channel amplifier, providing you with full control and flexibility in tuning your car audio system.

Feature

- Support 6- Channel high level, Aux, Optic, USB OTG (WA,MP3,APE)
- AKM high-performance DSPchip 269 MHz/48KHz/24bit
- Built in digital to analog conversion ADC/DAC: 10-192kHz 24 Bit
- Output 8 low-level RCA channels, 6 high-level channels
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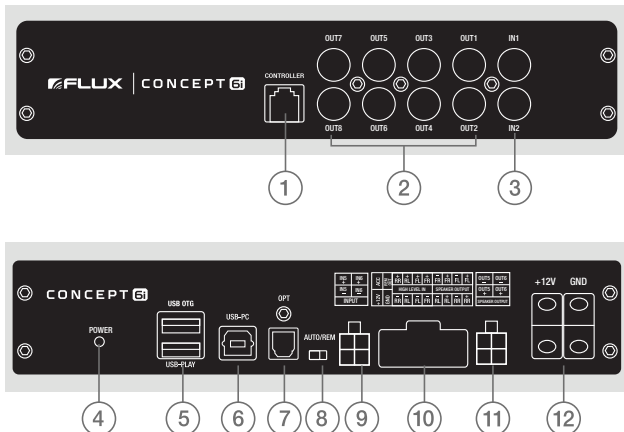
Information

This manual is designed to help you understand the installation, operation, and maintenance of the FLUX CONCEPT-6i. Please read it carefully to maximize your audio experience and to ensure the safety and longevity of the product.

Specification

Input Channel	6-channel high level, AUX, Optic (supporting 48KHz/16bit), OTG play Supports USB playback formats: (WAV MP3 APE)
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Panel Description



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11. Speaker Output

12. Power Supply Terminal

Installation

Warnings Before Installation. To ensure the best performance and safety, please follow these precautions before installing your FLUX CONCEPT-6i DSP Amplifier:

- Professional Installation

It is strongly recommended that this product be installed by a qualified technician to ensure optimal performance and avoid any potential damage.

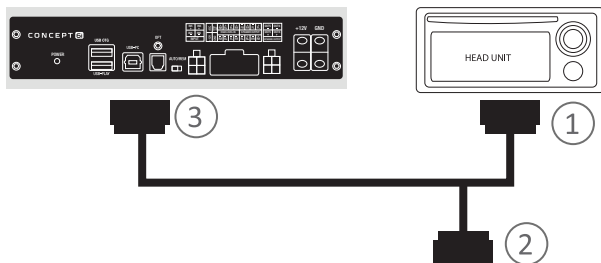
- Power Safety

Turn off the vehicle's entire electrical system before starting the installation process.

- Wiring Quality

Use only high-quality cables and connectors to prevent signal interference and reduce the risk of electrical hazards.

Connection



- 1 Female socket dimasukkan ke dalam soket yang sesuai pada Source unit
- 2 Koneksi kabel Speaker Mobil OEM & kontrol soket lainnya
- 3 20P socket dimasukkan ke dalam soket yang sesuai FLUX CONCEPT-6i

Maintenance & Safety

To ensure the FLUX CONCEPT-6i continues to perform at its best over the long term, it is important for both users and technicians to follow these maintenance and safety guidelines.

Routine Maintenance

1. Keep the Unit Clean

- Avoid dust accumulation around the unit.
- Use a dry cloth or soft brush to clean the exterior surface.
- Do not use alcohol-based or chemical solvents for cleaning.

2. Ensure Proper Air Circulation

- Do not cover the cooling area or heatsink.
- Avoid installation in confined spaces without ventilation.
- Keep the unit away from direct sunlight or excessive heat sources.

3. Check Connections Regularly

- Make sure the power, ground, and speaker connections remain tight and clean.
- Inspect terminals for any signs of rust or corrosion.
- Check input/output cables to prevent noise or signal interruption.

Software Download

Tuning software can be downloaded from:
<https://www.flux-audio.com/>

Operational Safety

1. Avoid Unstable Voltage

- Ensure the vehicle's power supply remains stable.
- Always use the recommended fuse for proper protection.

2. Do Not Power On Without Load

- Always connect compatible speakers before turning on the unit.
- Powering on the amplifier without a load may damage the output circuit.

3. Protect from Water & Moisture

- Do not install the unit in areas exposed to leaks or water splashes.
- Ensure the installation area is free from excessive humidity.

4. If You Smell Burning or Overheating

- Turn off the audio system immediately.
- Contact a qualified technician or an authorized distributor for inspection.

Warranty & Service

Standard Warranty Period

The FLUX CONCEPT-6i is covered by a 1-year manufacturer warranty against defects in materials or workmanship from the date of purchase.

Warranty Terms

For detailed warranty terms and conditions, please refer to the warranty card included with the product.

Customer Service

For further information, please contact:

Website: <https://www.flux-audio.com/>



www.flux-audio.com